

WO2005052654

Publication Title:

DRIVER OF LIQUID-FILLED LENS GENERATING HIGH-VOLTAGE DRIVE SIGNAL

Abstract:

Abstract of WO2005052654

A liquid-filled lens driver is disclosed. The liquid-filled lens includes an input/output interface unit, a system clock generation unit, a high voltage generation unit, a reference/bias voltage generation unit, a drive signal generation unit and a control unit. The input/output interface unit exchanges the lens driver control signal and the status information of the liquid-filled lens with the image signal processor. The high voltage generation unit generates high voltage using low voltage of a battery of a mobile information terminal. The voltage generation unit provides reference voltage and bias voltage for operating the liquid-filled lens driver. The drive signal generation unit generates a final drive signal for the liquid-filled lens. Data supplied from the esp@cenet database - Worldwide

Courtesy of <http://v3.espacenet.com>

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 June 2005 (09.06.2005)

PCT

(10) International Publication Number
WO 2005/052654 A1

- (51) International Patent Classification⁷: **G02B 1/06**, 7/04, G03B 3/04
- (21) International Application Number: PCT/KR2004/003076
- (22) International Filing Date: 26 November 2004 (26.11.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
10-2003-0085041
27 November 2003 (27.11.2003) KR
- (71) Applicant (for all designated States except US): **POINTCHIPS CO., LTD.** [KR/KR]; 4F, Dabong Tower Bldg., 890-12 Daechi-dong, Gangnam-Gu, Seoul 135-839 (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **LEE, Hyo-Chung** [KR/KR]; 103-702 Dongilhighvil 1 Apt., 486, Unnam-Ri, Guseong-Myeon, Yongin 449-915 (KR). **HAN, Sang-Hyun** [KR/KR]; 9-913 Lucky Apt., Siheung1-Dong, Geumcheon-Gu, Seoul 153-761 (KR).
- (74) Agent: **LEE, Noh-Sung**; 12F, Seo-Jeon Bldg., 1330-9 Seocho-dong, Seocho-Gu, Seoul 135-858 (KR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: DRIVER OF LIQUID-FILLED LENS GENERATING HIGH-VOLTAGE DRIVE SIGNAL

(57) Abstract: A liquid-filled lens driver is disclosed. The liquid-filled lens includes an input/output interface unit, a system clock generation unit, a high voltage generation unit, a reference/bias voltage generation unit, a drive signal generation unit and a control unit. The input/output interface unit exchanges the lens driver control signal and the status information of the liquid-filled lens with the image signal processor. The high voltage generation unit generates high voltage using low voltage of a battery of a mobile information terminal. The voltage generation unit provides reference voltage and bias voltage for operating the liquid-filled lens driver. The drive signal generation unit generates a final drive signal for the liquid-filled lens.

WO 2005/052654 A1